

Claims

1. Method for transmitting data in a radio communications system,
  - whereby a common channel is provided which is allocated to a plurality of subscribers at the same time for data transmission between a base station (node B) and a subscriber station (UE1,UE2) of the particular subscriber,
  - whereby measurements regarding the transmission quality are carried out on the common channel and their results are available in the base station (node B),
  - whereby if the measurements show that the transmission quality does not meet a defined criterion, the base station (node B) transmits a first message to a controlling radio network controller (CRNC) allocated to it, with the first message containing information about the quality of transmission and about subscriber stations (UE1, UE2) for which a bad quality of transmission was measured.
2. Method in accordance with claim 1, whereby the measurements are carried out in the base station (node B).
3. Method in accordance with claim 1, whereby the measurements are carried out in the subscriber station (UE1, UE2) and the results of the measurements are transmitted to the base station (node B).
4. Method in accordance with one of claims 1 to 3,

- whereby the controlling radio network controller (CRNC) responsible for configuration of the particular terminal (UE1, UE2), informs, by means of a second message in each case, the serving radio network controllers (SRNC1, SRNC2) allocated to the subscriber stations (UE1, UE2) that have a bad quality of transmission of the bad quality of transmission.

5. Method in accordance with one of claims 1 to 4,

- whereby a specified transmission rate is agreed for each subscriber,
- whereby compliance with the agreed transmission rate is checked during the measurement of the quality of transmission.

6. Method in accordance with one of claims 1 to 5,

- whereby a timer is allocated to data units to be transmitted, with the allocated data unit no longer being transmitted after the timer has elapsed,
- with a check being carried out during the measurement of the quality of transmission to determine whether the number of elapsed timers relative to the total number of assigned timers exceeds a specified threshold value.

7. Method in accordance with one of claims 1 to 6, with the first message containing a name of the terminals (UE1, UE2) for which a bad quality of transmission was measured, or a number of terminals (UE1, UE2) for which a bad quality of transmission was measured.

8. Method in accordance with one of claims 1 to 7,

with the second message containing a name of the terminals (UE1, UE2) for which a bad quality of transmission was measured.

9. Method in accordance with claims 7 or 8,
  - with a temporary identification being allocated to the terminals (UE1, UE2) by the controlling radio network controller (CRNC),
  - with the temporary identification being used to name the terminals (UE1, UE2).
10. Method in accordance with one of claims 1 to 9, with the controlling radio network controller (CRNC) deriving a suggested solution for a change of the configuration of the terminals (UE1, UE2) from the first message and transmitting this suggested solution in the second message.
11. Method in accordance with claim 10, with the suggested solution containing information on a possible transmission procedure to a different base station or the allocation of a dedicated channel for the terminal (UE1, UE2).